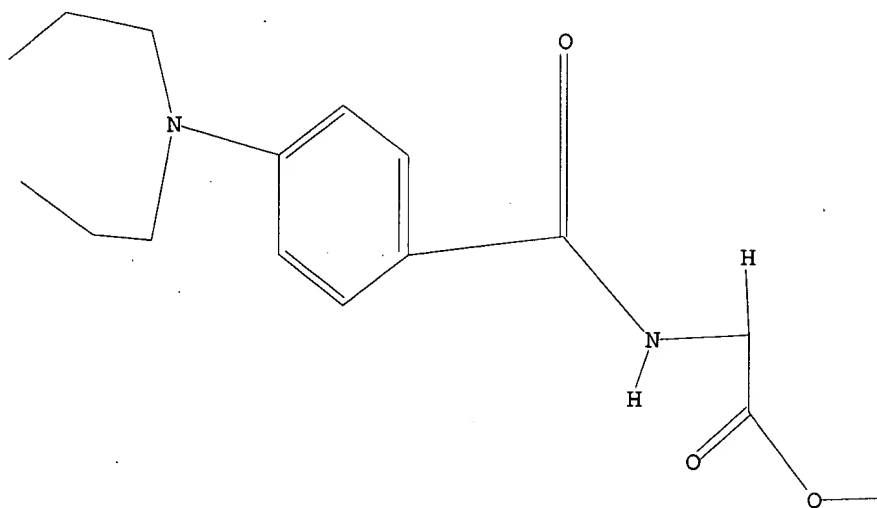


L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.40

0.82

FILE 'CAPLUS' ENTERED AT 10:22:34 ON 11 AUG 2003

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FILE COVERS 1907 - 11 Aug 2003 VOL 139 ISS 7

FILE LAST UPDATED: 10 Aug 2003 (20030810/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=>

Uploading 7714.str

L2 STRUCTURE UPLOADED

=> s 12

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 10:22:54 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 108 TO ITERATE

100.0% PROCESSED 108 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 1537 TO 2783

PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L2

L4 0 L3

=> s l2 full

#### REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...  
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

FULL SEARCH INITIATED 10:23:02 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 2069 TO ITERATE

100.0% PROCESSED 2069 ITERATIONS 1 ANSWERS  
SEARCH TIME: 00.00.01

L5 1 SEA SSS FUL L2

L6 1 L5

=> d l6

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN  
AN 2000:707131 CAPLUS  
DN 133:267154  
TI Preparation of nitrogen mustard compounds and prodrugs  
IN Springer, Caroline Joy; Davies, Lawrence Christopher  
PA Cancer Research Campaign Technology Limited, UK  
SO PCT Int. Appl., 73 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000058271	A1	20001005	WO 2000-GB1194	20000329
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
	RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
	NZ 513759	A	20010928	NZ 2000-513759	20000329
	EP 1165493	A1	20020102	EP 2000-918981	20000329
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,			

IE, SI, LT, LV, FI, R

JP 2002540186 T2 20021126 JP 2000-607975 20000329  
 PRAI GB 1999-7414 A 19990331  
 WO 2000-GB1194 W 20000329

OS MARPAT 133:267154

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d l6 ibib abs hitstr

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS on STN

ACCESSION NUMBER: 2000:707131 CAPLUS

DOCUMENT NUMBER: 133:267154

TITLE: Preparation of nitrogen mustard compounds and prodrugs

INVENTOR(S): Springer, Caroline Joy; Davies, Lawrence Christopher

PATENT ASSIGNEE(S): Cancer Research Campaign Technology Limited, UK

SOURCE: PCT Int. Appl., 73 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

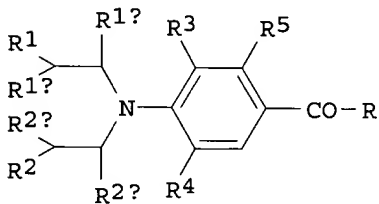
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000058271	A1	20001005	WO 2000-GB1194	20000329
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
NZ 513759	A	20010928	NZ 2000-513759	20000329
EP 1165493	A1	20020102	EP 2000-918981	20000329
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002540186	T2	20021126	JP 2000-607975	20000329
PRIORITY APPLN. INFO.: GB 1999-7414 A 19990331 WO 2000-GB1194 W 20000329				

OTHER SOURCE(S): MARPAT 133:267154

GI



AB Nitrogen mustard compds. and prodrugs I [R = OH or NHCH(Z)CO2R7, resp., where R1, R2 = Cl, Br, I, OSO2Me, or OSO2Ph; R1a, R2a, R1b, R2b = H, Cl-4-alkyl or -haloalkyl; R3 = F, Cl, Br, I, OCHF2, C.tplbond.CH, OCF3, Me, CF3, SF5, SCF3, or CF2CF3; R4 = H, any group given for R3; R5 = H, F; R7 = H, Me3C, allyl; Z = (un)substituted -CH2-T-W, where T = CH2, O, S, S(O), or SO2; W = CO2H, CONH2, SO2NH2, SO3H, PO3H2, tetrazol-5-yl, heterocyclylthio, etc. (with provisos)] were prepd. for use in therapy and treatment, for example, of cancer. Thus, [3,5-difluoro-4-[bis(2-iodoethyl)amino]benzoyl]-L-glutamic acid, prepd. via amidation of 3,5-difluoro-4-[bis(2-iodoethyl)amino]benzoic acid with

di-tert-butyl-L-glutamate hydrochloride, showed antitumor activity against breast carcinoma in mice at 0.98 mM vs. 2.9 mM for the prior art compd. [3-fluoro-4-[bis(2-chloroethyl)amino]benzoyl]-L-glutamic acid.

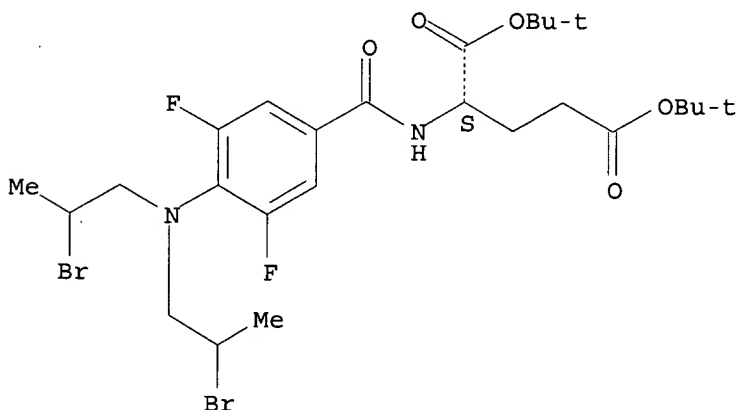
IT 298211-14-0P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)  
(prepn. of nitrogen mustard compds. and prodrugs)

RN 298211-14-0 CAPLUS

CN L-Glutamic acid, N-[4-[bis(2-bromopropyl)amino]-3,5-difluorobenzoyl]-, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT